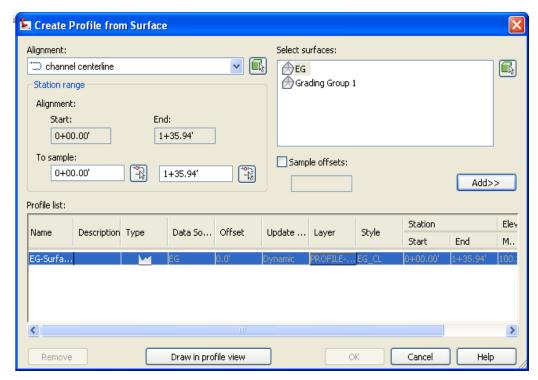
PROFILE FROM A TERRAIN SURFACE

This guide covers the procedure for developing profiles for a terrain surface along an alignment.

- 1. Go to the Create Design panel on the Home ribbon.
- 2. Click on the down arrow next to Profile and select Create Surface Profile
- 3. The Create Profile from Surface window will appear.

Select the alignment(s) that you want to create the profile along and the surface(s) that you want to sample along that alignment.

The starting and ending stations of the alignment will be displayed, and you can manually select a starting and ending station that lies within that range.



If you want to sample an offset, check the box next to *Sample offsets*: and provide an offset distance in the format of: -10, 0,10. (looking in the direction of increasing stations: negative is left and positive is right). 10 is the distance offset from the centerline. This can be any applicable distance.

Once you have established the settings for the profile, click on the *Add>>* button.

More than one surface can be selected by holding down the shift button and selecting the surfaces you want to

appear on the profile. A separate row will appear in the table at the bottom of the window for each surface chosen. Click on a cell in the table if you want to change a setting, such as the style of a finished surface profile. You can also remove a profile from the list by selecting its row in the table and clicking on the *Remove* button.

4. Once you have the profile settings in the window established, you can either click on the *Draw in profile view* button to create the profile and develop a profile plot or you can click on the *OK* button to create the profile without plotting.